

REMARKS

Claims 1 through 5 have been amended. Claims 6 through 20 have been previously canceled. Claims 1 through 5 remain in the application.

Claims 1 through 5 were rejected under 35 U.S.C. § 102(b) as being anticipated by So (U.S. Patent No. 5,107,922). Applicants respectfully traverse this rejection.

U.S. Patent No. 5,107,922 to So discloses an optimized offset strip fin for use in a contact heat exchanger. The fin 42 shown in FIGS. 3 and 4 includes a plurality of generally rectangular shaped corrugations 44 disposed in transverse rows (or strips) shown at 46, 48, 50, 52, and 54. The corrugations 44 include a top surface portion 56, side portions 58, and bottom portions 60. So does not disclose a plurality of corrugated fins each having a base extending laterally and longitudinally in a strip and a connecting member interconnecting the base and another one of the corrugated fins with the connecting member having a longitudinal length greater than a lateral width thereof and having a bend therein.

In contradistinction, claim 1, as amended, clarifies the invention claimed as a turbulator with offset louvers for a heat exchanger including a plurality of corrugated fins each having a base extending laterally and longitudinally in a strip and a connecting member interconnecting the base and another one of the corrugated fins. The connecting member has a longitudinal length greater than a lateral width thereof and having a bend therein. The turbulator also includes a plurality of offset louvers spaced along the base and extending longitudinally and generally perpendicular to the base in an alternating manner. The offset louvers are rolled in a direction parallel to a longitudinal axis of the strip. Claims 2 through 5 have been amended similar to claim 1 and include other features of the present invention. The “bend” in the connecting members 33 is shown in FIGS. 3 and 8 of the present application. Also, the “bend” in the connecting members 33 is formed by the tooth arc 68 is described in the specification on page


10, line 17. As such, Applicants respectfully submits that no new matter has been added to the claims.

A rejection grounded on anticipation under 35 U.S.C. § 102 is proper only where the subject matter claimed is identically disclosed or described in a reference. In other words, anticipation requires the presence of a single prior art reference which discloses each and every element of the claimed invention arranged as in the claim. In re Arkley, 455 F.2d 586, 172 U.S.P.Q. 524 (C.C.P.A. 1972); Kalman v. Kimberly-Clark Corp., 713 F.2d 760, 218 U.S.P.Q. 781 (Fed. Cir. 1983); Lindemann Maschinenfabrik GMBH v. American Hoist & Derrick Co., 730 F.2d 1452, 221 U.S.P.Q. 481 (Fed. Cir. 1984).

So '922 does not disclose or anticipate the claimed invention of claim 1. So '922 merely discloses an optimized offset strip fin for use in a contact heat exchanger having a plurality of generally rectangular shaped corrugations with top surface portions, side portions, and bottom portions. So '922 lacks a plurality of corrugated fins each having a base extending laterally and longitudinally in a strip and a connecting member interconnecting the base and another one of the corrugated fins with the connecting member having a longitudinal length greater than a lateral width thereof and having a bend therein. In So '922, the top surface portions 56 and bottom portions 60 are flat or planar and do not have a bend therein. So '922 fails to disclose the combination of a turbulator with offset louvers including a plurality of corrugated fins each having a base extending laterally and longitudinally in a strip and a connecting member interconnecting the base and another one of the corrugated fins with the connecting member having a longitudinal length greater than a lateral width thereof and having a bend therein as claimed by Applicants. Therefore, it is respectfully submitted that claims 1 through 5 are allowable over the rejection under 35 U.S.C. § 102(b).

Based on the above, it is respectfully submitted that the claims are in a condition for allowance, which allowance is solicited.

Respectfully submitted,

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